

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>7806/VB</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 00/ 27050</b>	International filing date (day/month/year) <b>29/09/2000</b>	(Earliest) Priority Date (day/month/year) <b>30/09/1999</b>
Applicant  <b>THE PROCTER &amp; GAMBLE COMPANY et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/27050

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D17/00 C11D3/50 C11D3/22 C11D3/43 C11D3/30  
C11D1/02 C11D1/82 C11D1/94

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 199503 Derwent Publications Ltd., London, GB; Class D21, AN 1995-020606 XP002158365 & RU 2 010 848 C (TRETYAKOVA V A), 15 April 1994 (1994-04-15) abstract	1
P, X	EP 0 965 326 A (PROCTER & GAMBLE) 22 December 1999 (1999-12-22) page 10, paragraph 54; claims 1,4,5,11; examples 19,21	1,11,13, 25
P, A	WO 00 55288 A (GOLDSTEIN ALAN SCOTT ;KACHER MARK LESLIE (US); KAISER CARL ERIC (U) 21 September 2000 (2000-09-21) claims 1-10; examples	1,8, 10-14, 23-27
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

24 January 2001

Date of mailing of the international search report

02/02/2001

Name and mailing address of the ISA

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Authorized officer

Loiselet-Taisne, S

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/27050

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 311 296 A (PROCTER & GAMBLE) 24 September 1997 (1997-09-24) claims 1,10 ----	1
A	US 4 292 211 A (HERMAN JUSTIN) 29 September 1981 (1981-09-29) claim 1; example 6 ----	1
A	DD 292 477 A (FIT CHEMISCHE PRODUKTE GMBH) 8 December 1994 (1994-12-08) examples ----	1
A	DATABASE WPI Section Ch, Week 199626 Derwent Publications Ltd., London, GB; Class D25, AN 1996-255260 XP002158366 & JP 08 104893 A (USUI K), 23 April 1996 (1996-04-23) abstract -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/27050

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
RU 2010848	C	15-04-1994	NONE	
EP 0965326	A	22-12-1999	AU 3949999 A WO 9965458 A	05-01-2000 23-12-1999
WO 0055288	A	21-09-2000	AU 3627200 A	04-10-2000
GB 2311296	A	24-09-1997	NONE	
US 4292211	A	29-09-1981	NONE	
DD 292477	A	08-12-1994	NONE	
JP 8104893	A	23-04-1996	NONE	

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 7806/VB	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/27050	International filing date (day/month/year) 29/09/2000	Priority date (day/month/year) 30/09/1999
International Patent Classification (IPC) or national classification and IPC C11D17/00		
Applicant THE PROCTER & GAMBLE COMPANY et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 5 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  08/11/2000	Date of completion of this report  16.11.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Ruckebusch, V  Telephone No. +49 89 2399 8493 

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/US00/27050

**I. Basis of the report**

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-27 as originally filed

**Claims, No.:**

1-29 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/US00/27050

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*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Yes:	Claims	2-29
	No:	Claims	1
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-29
Industrial applicability (IA)	Yes:	Claims	1-29
	No:	Claims	

2. Citations and explanations  
**see separate sheet**

**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:  
**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/US00/27050

**i. Reference is made to the following documents:**

D1: DATABASE WPI Section Ch, Week 199503 Derwent Publications Ltd., London, GB; Class D21, AN 1995-020606 XP002158365 & RU 2 010 848 C (TRETYAKOVA V A), 15 April 1994

D2: GB-A-2 311 296 (PROCTER & GAMBLE) 24 September 1997

**Re Item V**

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

**v. Novelty and Inventive Step (Article 33(2) and (3) PCT)**

- v.i** The subject-matter of the present application appears to be concerned with liquid detergent compositions containing an anionic surfactant (alkyl ethoxy sulfonate), solvents (ethanol and water) and fragrance materials partially complexed with water-soluble cyclodextrin.

The desired effect from the applicant seems to be liquid detergent compositions having "cleaning benefits" without "the malodours associated with them" (page 2 lines 15 to 17).

- v.ii** The document D1 discloses a liquid toilet soap containing ethanol, fragrance, complexing agent and water among others.

The subject-matter of claim 1 is therefore not novel according to the document D1 in the sense of Article 33(2) PCT.

- v.iii** The document D2 relates to (page 2 lines 5 to 19, page 8 lines 13 to 21, page 15 lines 21 to 29) dry perfumed particulate detergent compositions for hand dishwashing, containing an anionic surfactant, a blooming perfume composition and builders and/or fillers among others. Said blooming perfume compositions are preferably encapsulated or complexed with "cyclodextrin inclusion complexes", see especially examples 8 to 11.



The document D2 is concerned with "dry" detergent compositions and therefore does not explicitly disclose the need of a solvent in such compositions but describes the potential use of auxiliary materials, e.g. solvents diluent (see page 8) for solubilizing or diluting some solids or viscous perfume ingredients.

Features disclosed in dependent claims 2 to 28 do not appear to be essential features for carrying out an effect not already disclosed in the prior art. The role of specified parameters has not been shown in the description e.g. the examples.

Furthermore, the relevance of the "process of forming" the compositions of the present application has not been established.

- v.iv** The present application (in view of the present data) does not show any improvement other the prior art, the compositions containing components already known from the state of the art and used for the same purpose, e.g. for good cleaning performance and for masking malodours.

The subject-matter of claims 1 to 29 can therefore not be considered as involving an inventive step in the sense of Article 33(3) PCT.

#### **Re Item VII**

Certain defects in the international application

- vii.** Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D2 is not mentioned in the description, nor is this document identified therein.

# INTERNATIONAL SEARCH REPORT

Intern 1st Application No  
PCT/US 00/27050

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C11D17/00 C11D3/50 C11D3/22 C11D3/43 C11D3/30 C11D1/02 C11D1/82 C11D1/94		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C11D		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) WPI Data, EPO-Internal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 199503 Derwent Publications Ltd., London, GB; Class D21, AN 1995-020606 XP002158365 & RU 2 010 848 C (TRETYAKOVA V A), 15 April 1994 (1994-04-15) abstract	1
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P, A	--- WO 00 55288 A (GOLDSTEIN ALAN SCOTT ;KACHER MARK LESLIE (US); KAISER CARL ERIC (U) 21 September 2000 (2000-09-21) claims 1-10; examples ---	1,8, 10-14, 23-27
-/--		
<div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.</span> <span><input checked="" type="checkbox"/> Patent family members are listed in annex.</span> </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&amp;* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search  <div style="text-align: center; font-weight: bold;">24 January 2001</div>		Date of mailing of the international search report  <div style="text-align: center; font-weight: bold;">02/02/2001</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  <div style="text-align: center; font-weight: bold;">Loiselet-Taisne, S</div>

# INTERNATIONAL SEARCH REPORT

Internat Application No  
PCT/US 00/27050

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 311 296 A (PROCTER & GAMBLE) 24 September 1997 (1997-09-24) claims 1,10 ---	1
A	US 4 292 211 A (HERMAN JUSTIN) 29 September 1981 (1981-09-29) claim 1; example 6 ---	1
A	DD 292 477 A (FIT CHEMISCHE PRODUKTE GMBH) 8 December 1994 (1994-12-08) examples ---	1
A	DATABASE WPI Section Ch, Week 199626 Derwent Publications Ltd., London, GB; Class D25, AN 1996-255260 XP002158366 & JP 08 104893 A (USUI K), 23 April 1996 (1996-04-23) abstract -----	1

# INTERNATIONAL SEARCH REPORT

information on patent family members

Intern. Patent Application No

PCT/US 00/27050

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
RU 2010848	C	15-04-1994	NONE		
EP 0965326	A	22-12-1999	AU 3949999 A		05-01-2000
			WO 9965458 A		23-12-1999
WO 0055288	A	21-09-2000	AU 3627200 A		04-10-2000
GB 2311296	A	24-09-1997	NONE		
US 4292211	A	29-09-1981	NONE		
DD 292477	A	08-12-1994	NONE		
JP 8104893	A	23-04-1996	NONE		